

# Kun-Mu Lee

## List of Publications by Year in descending order

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104  
papers

4,267  
citations

101543

36  
h-index

118850

62  
g-index

104  
all docs

104  
docs citations

104  
times ranked

4942  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | 2,3-Disubstituted Thiophene-Based Organic Dyes for Solar Cells. <i>Chemistry of Materials</i> , 2008, 20, 1830-1840.   | 6.7  | 401       |
| 2  | EIS analysis on low temperature fabrication of TiO <sub>2</sub> porous films for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2008, 53, 7514-7522.   | 5.2  | 226       |
| 3  | Incorporating carbon nanotube in a low-temperature fabrication process for dye-sensitized TiO <sub>2</sub> solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 1628-1633.                             | 6.2  | 203       |
| 4  | A high-performance counter electrode based on poly(3,4-alkylenedioxythiophene) for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2009, 188, 313-318.   | 7.8  | 172       |
| 5  | The effects of hydrothermal temperature and thickness of TiO <sub>2</sub> film on the performance of a dye-sensitized solar cell. <i>Solar Energy Materials and Solar Cells</i> , 2006, 90, 2391-2397.                   | 6.2  | 153       |
| 6  | Plastic dye-sensitized photo-supercapacitor using electrophoretic deposition and compression methods. <i>Journal of Power Sources</i> , 2010, 195, 6225-6231.  | 7.8  | 130       |
| 7  | A study on the electron transport properties of TiO <sub>2</sub> electrodes in dye-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2007, 91, 1416-1420.  | 6.2  | 111       |
| 8  | Influences of different TiO <sub>2</sub> morphologies and solvents on the photovoltaic performance of dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2009, 188, 635-641.                                  | 7.8  | 107       |
| 9  | Highly porous PProDOT-Et <sub>2</sub> film as counter electrode for plastic dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 3375.   | 2.8  | 100       |
| 10 | A dye-sensitized photo-supercapacitor based on PProDOT-Et <sub>2</sub> thick films. <i>Journal of Power Sources</i> , 2010, 195, 6232-6238.  | 7.8  | 89        |
| 11 | Enhancing perovskite solar cell performance and stability by doping barium in methylammonium lead halide. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18044-18052.  | 10.3 | 88        |
| 12 | Effects of mesoscopic poly(3,4-ethylenedioxythiophene) films as counter electrodes for dye-sensitized solar cells. <i>Thin Solid Films</i> , 2010, 518, 1716-1721.   | 1.8  | 80        |
| 13 | The influence of surface morphology of TiO <sub>2</sub> coating on the performance of dye-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2006, 90, 2398-2404.                                   | 6.2  | 78        |
| 14 | Effects of co-adsorbate and additive on the performance of dye-sensitized solar cells: A photophysical study. <i>Solar Energy Materials and Solar Cells</i> , 2007, 91, 1426-1431.                                       | 6.2  | 72        |
| 15 | Efficient and stable plastic dye-sensitized solar cells based on a high light-harvesting ruthenium sensitizer. <i>Journal of Materials Chemistry</i> , 2009, 19, 5009.   | 6.7  | 72        |
| 16 | Unraveling the high performance of tri-iodide perovskite absorber based photovoltaics with a non-polar solvent washing treatment. <i>Solar Energy Materials and Solar Cells</i> , 2015, 141, 309-314.                    | 6.2  | 72        |
| 17 | Enhancing the efficiency of perovskite solar cells using mesoscopic zinc-doped TiO <sub>2</sub> as the electron extraction layer through band alignment. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16920-16931. | 10.3 | 71        |
| 18 | High efficiency flexible dye-sensitized solar cells by multiple electrophoretic depositions. <i>Journal of Power Sources</i> , 2011, 196, 3683-3687.   | 7.8  | 70        |

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|----|---|-----|-----------|
| 19 | Co-sensitization promoted light harvesting for plastic dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2011, 196, 2416-2421.  | 7.8 | 64        |
| 20 | Controlled Deposition and Performance Optimization of Perovskite Solar Cells Using Ultrasonic Spray-Coating of Photoactive Layers. <i>ChemSusChem</i> , 2017, 10, 1405-1412.  | 6.8 | 62        |
| 21 | Selection of anti-solvent and optimization of dropping volume for the preparation of large area sub-module perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017, 172, 368-375.  | 6.2 | 59        |
| 22 | Improved performance of flexible dye-sensitized solar cells by introducing an interfacial layer on Ti substrates. <i>Journal of Materials Chemistry</i> , 2011, 21, 5114.   | 6.7 | 57        |
| 23 | A novel photoelectrochromic device with dual application based on poly(3,4-alkylenedioxythiophene) thin film and an organic dye. <i>Journal of Power Sources</i> , 2008, 185, 1505-1508.  | 7.8 | 56        |
| 24 | A photo-physical and electrochemical impedance spectroscopy study on the quasi-solid state dye-sensitized solar cells based on poly(vinylidene fluoride-co-hexafluoropropylene). <i>Journal of Power Sources</i> , 2008, 185, 1605-1612.                      | 7.8 | 56        |
| 25 | All-solid-state electrochromic device based on poly(butyl viologen), Prussian blue, and succinonitrile. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 1755-1760.  | 6.2 | 55        |
| 26 | Performance Characterization of Dye-Sensitized Photovoltaics under Indoor Lighting. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1824-1830.  | 4.6 | 51        |
| 27 | Heteroleptic ruthenium antenna-dye for high-voltage dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2010, 20, 7158.   | 6.7 | 50        |
| 28 | Binary room-temperature ionic liquids based electrolytes solidified with SiO <sub>2</sub> nanoparticles for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2009, 190, 573-577.   | 7.8 | 48        |
| 29 | Hole-Transporting Materials Based on Twisted Bimesitylenes for Stable Perovskite Solar Cells with High Efficiency. <i>ChemSusChem</i> , 2016, 9, 274-279.   | 6.8 | 48        |
| 30 | High-efficiency cascade CdS/CdSe quantum dot-sensitized solar cells based on hierarchical tetrapod-like ZnO nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13539.  | 2.8 | 46        |
| 31 | Enhancing the performance of dye-sensitized solar cells based on an organic dye by incorporating TiO <sub>2</sub> nanotube in a TiO <sub>2</sub> nanoparticle film. <i>Electrochimica Acta</i> , 2009, 54, 4123-4130.   | 5.2 | 44        |
| 32 | Thickness effects of ZnO thin film on the performance of tri-iodide perovskite absorber based photovoltaics. <i>Solar Energy</i> , 2015, 120, 117-122.  | 6.1 | 43        |
| 33 | Improved Solar-Driven Photocatalytic Performance of Highly Crystalline Hydrogenated TiO <sub>2</sub> Nanofibers with Core-Shell Structure. <i>Scientific Reports</i> , 2017, 7, 40896.  | 3.3 | 41        |
| 34 | Controlling the Morphology and Interface of the Perovskite Layer for Scalable High-Efficiency Solar Cells Fabricated Using Green Solvents and Blade Coating in an Ambient Environment. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 26041-26049. | 8.0 | 41        |
| 35 | On the addition of conducting ceramic nanoparticles in solvent-free ionic liquid electrolyte for dye-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 1411-1416.   | 6.2 | 39        |
| 36 | Dye-sensitized solar cells with a micro-porous TiO <sub>2</sub> electrode and gel polymer electrolytes prepared by in situ cross-link reaction. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 2003-2007.  | 6.2 | 39        |

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|----|--|------|-----------|
| 37 | High efficiency quasi-solid-state dye-sensitized solar cell based on polyvinylidene fluoride-co-hexafluoro propylene containing propylene carbonate and acetonitrile as plasticizers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 207, 224-230. | 3.9  | 39        |
| 38 | The influence of tetrapod-like ZnO morphology and electrolytes on energy conversion efficiency of dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2010, 55, 8422-8429.  | 5.2  | 37        |
| 39 | High contrast all-solid-state electrochromic device with 2,2,6,6-tetramethyl-1-piperidinyloxy (TEMPO), heptyl viologen, and succinonitrile. <i>Solar Energy Materials and Solar Cells</i> , 2012, 99, 135-140.   | 6.2  | 37        |
| 40 | High-performance perovskite solar cells based on dopant-free hole-transporting material fabricated by a thermal-assisted blade-coating method with efficiency exceeding 21%. <i>Chemical Engineering Journal</i> , 2022, 427, 131609.                                      | 12.7 | 37        |
| 41 | Improvement on the long-term stability of flexible plastic dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2011, 196, 8897-8903.   | 7.8  | 35        |
| 42 | High performance dye-sensitized solar cells containing 1-methyl-3-propyl imidazolium iodide-effect of additives and solvents. <i>Journal of Electroanalytical Chemistry</i> , 2009, 633, 146-152.  | 3.8  | 34        |
| 43 | Highly efficient and stable semi-transparent perovskite solar modules with a trilayer anode electrode. <i>Nanoscale</i> , 2018, 10, 17699-17704.   | 5.6  | 34        |
| 44 | A comparative study of gel polymer electrolytes based on PVDF-HFP and liquid electrolytes, containing imidazolium ionic liquids of different carbon chain lengths in DSSCs. <i>Solar Energy Materials and Solar Cells</i> , 2007, 91, 1467-1471.                           | 6.2  | 33        |
| 45 | Surface passivation: The effects of CDCA co-adsorbent and dye bath solvent on the durability of dye-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2013, 108, 70-77.  | 6.2  | 33        |
| 46 | Thickness effects of thermally evaporated C60 thin films on regular-type CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> based solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017, 164, 13-18.   | 6.2  | 32        |
| 47 | Preparation of High Transmittance Platinum Counter Electrode at an Ambient Temperature for Flexible Dye-Sensitized Solar Cells. <i>Electrochimica Acta</i> , 2014, 135, 578-584.   | 5.2  | 25        |
| 48 | DPP containing D-π-A organic dyes toward highly efficient dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2016, 125, 27-35.   | 3.7  | 25        |
| 49 | The cause for the low efficiency of dye sensitized solar cells with a combination of ruthenium dyes and cobalt redox. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10170-10175.  | 2.8  | 24        |
| 50 | Control of TiO <sub>2</sub> electron transport layer properties to enhance perovskite photovoltaics performance and stability. <i>Organic Electronics</i> , 2020, 77, 105406.  | 2.6  | 24        |
| 51 | Making benzotrithiophene derivatives dopant-free for perovskite solar cells: Step-saving installation of π-spacers by a direct C-H arylation strategy. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24765-24770.   | 10.3 | 22        |
| 52 | Enhanced open-circuit voltage of dye-sensitized solar cells using Bi-doped TiO <sub>2</sub> nanofibers as working electrode and scattering layer. <i>Solar Energy</i> , 2016, 135, 22-28.  | 6.1  | 21        |
| 53 | Direct C-H Arylation Meets Perovskite Solar Cells: Tin-Free Synthesis Shortcut to High-Performance Hole-Transporting Materials. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1510-1515.   | 3.3  | 21        |
| 54 | Molecularly Engineered Cyclopenta[2,1-b:3,4-b']dithiophene-Based Hole-Transporting Materials for High-Performance Perovskite Solar Cells with Efficiency over 19%. <i>ACS Applied Energy Materials</i> , 2021, 4, 4719-4728.   | 5.1  | 21        |

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|----|--|------|-----------|
| 55 | Enhanced efficiency and stability of quasi-2D/3D perovskite solar cells by thermal assisted blade coating method. <i>Chemical Engineering Journal</i> , 2021, 405, 126992.   | 12.7 | 20        |
| 56 | A High Contrast Hybrid Electrochromic Device Containing PEDOT, Heptyl Viologen, and Radical Provider TEMPO. <i>Journal of the Electrochemical Society</i> , 2010, 157, P75.  | 2.9  | 19        |
| 57 | Antimicrobial Activity of Electrospun Polyvinyl Alcohol Nanofibers Filled with Poly[2-(tert-butylaminoethyl) Methacrylate]-Grafted Graphene Oxide Nanosheets. <i>Polymers</i> , 2020, 12, 1449.  | 4.5  | 19        |
| 58 | Effect of anti-solvent mixture on the performance of perovskite solar cells and suppression hysteresis behavior. <i>Organic Electronics</i> , 2019, 65, 266-274.   | 2.6  | 18        |
| 59 | Rational Design of Cyclopenta[2,1-b;3,4-b <sup>2</sup> ]dithiophene-bridged Hole Transporting Materials for Highly Efficient and Stable Perovskite Solar Cells. <i>Energy Technology</i> , 2019, 7, 307-316.                           | 3.8  | 18        |
| 60 | Titanium dioxide coated on titanium/stainless steel foil as photoanode for high efficiency flexible dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014, 269, 789-794.  | 7.8  | 17        |
| 61 | Connecting Direct C-H Arylation Reactions with Dye-Sensitized Solar Cells: A Shortcut to Aromatic Organic Dyes. <i>ChemSusChem</i> , 2015, 8, 3222-3227.   | 6.8  | 17        |
| 62 | Efficient and stable back-illuminated sub-module dye-sensitized solar cells by decorating SiO <sub>2</sub> porous layer with TiO <sub>2</sub> electrode. <i>RSC Advances</i> , 2013, 3, 9994.  | 3.6  | 16        |
| 63 | A star-shaped cyclopentadithiophene-based dopant-free hole-transport material for high-performance perovskite solar cells. <i>Chemical Communications</i> , 2021, 57, 6444-6447.   | 4.1  | 16        |
| 64 | Cross-Dehydrogenative Coupling (CDC) as Key-Transformations to Various Aromatic Organic Dyes: A Synthetic Study Directed toward Dye-Sensitized Solar Cells Applications. <i>Journal of Organic Chemistry</i> , 2017, 82, 3538-3551.    | 3.2  | 15        |
| 65 | One-pot synthesis of A-D type hole-transporting materials for perovskite solar cells by sequential C-H (hetero)arylations. <i>Chemical Communications</i> , 2018, 54, 11495-11498.   | 4.1  | 15        |
| 66 | Polymer Additives for Morphology Control in High-Performance Lead-Reduced Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2000093.   | 5.8  | 15        |
| 67 | Efficient perovskite solar cells with low J-V hysteretic behavior based on mesoporous Sn-doped TiO <sub>2</sub> electron extraction layer. <i>Chemical Engineering Journal</i> , 2022, 445, 136761.                                    | 12.7 | 15        |
| 68 | Enhanced efficiency of bifacial and back-illuminated Ti foil based flexible dye-sensitized solar cells by decoration of mesoporous SiO <sub>2</sub> layer on TiO <sub>2</sub> anode. <i>Journal of Power Sources</i> , 2013, 232, 1-6. | 7.8  | 14        |
| 69 | Spiro-tBuBED: a new derivative of a spirobifluorene-based hole-transporting material for efficient perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5934-5937.   | 10.3 | 14        |
| 70 | Thermal assisted blade coating methylammonium lead iodide films with non-toxic solvent precursors for efficient perovskite solar cells and sub-module. <i>Solar Energy</i> , 2020, 204, 337-345.                                       | 6.1  | 14        |
| 71 | Ionic liquid diffusion properties in tetrapod-like ZnO photoanode for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2012, 216, 330-336.  | 7.8  | 13        |
| 72 | Sn- and Pd-Free Synthesis of Aromatic Organic Sensitizers for Dye-Sensitized Solar Cells by Cu-Catalyzed Direct Arylation. <i>ChemSusChem</i> , 2017, 10, 2284-2290.   | 6.8  | 13        |

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|----|--|------|-----------|
| 73 | Achieving High-Performance Perovskite Photovoltaic by Morphology Engineering of Low-Temperature Processed Zn-Doped TiO <sub>2</sub> Electron Transport Layer. <i>Small</i> , 2020, 16, 2002201.  | 10.0 | 13        |
| 74 | Boosting the power conversion efficiency of perovskite solar cells based on Sn doped TiO <sub>2</sub> electron extraction layer via modification the TiO <sub>2</sub> phase junction. <i>Solar Energy</i> , 2020, 205, 390-398.                                      | 6.1  | 13        |
| 75 | Unveiling the surface precipitation effect of Ag ions in Ag-doped TiO <sub>2</sub> nanofibers synthesized by one-step hydrothermal method for photocatalytic hydrogen production. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 120, 291-299. | 5.3  | 13        |
| 76 | On the use of triethylamine hydroiodide as a supporting electrolyte in dye-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2007, 91, 1432-1437.  | 6.2  | 12        |
| 77 | Fabrication of high transmittance and low sheet resistance dual ion doped tin oxide films and their application in dye-sensitized solar cells. <i>Thin Solid Films</i> , 2014, 570, 7-15.  | 1.8  | 12        |
| 78 | End-Capping Groups for Small-Molecule Organic Semiconducting Materials: Synthetic Investigation and Photovoltaic Applications through Direct C-H (Hetero)arylation. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 111-123.                              | 2.4  | 11        |
| 79 | Step-efficient access to new starburst hole-transport materials with carbazole end-groups for perovskite solar cells via direct C-H/C-Br coupling reactions. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2041-2045.  | 5.9  | 11        |
| 80 | Thiophene-Fused Butterfly-Shaped Polycyclic Arenes with a Diphenanthro[9,10-b:9',10'-d]thiophene Core for Highly Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 50495-50504.                                 | 8.0  | 11        |
| 81 | Incorporation of a stable radical 2,2,6,6-tetramethyl-1-piperidinyloxy (TEMPO) in an electrochromic device. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 2102-2107.   | 6.2  | 10        |
| 82 | Degradation Analysis of Thermal Aged Back-Illuminated Dye-Sensitized Solar Cells. <i>Journal of the Electrochemical Society</i> , 2012, 159, B430-B433.  | 2.9  | 10        |
| 83 | Raman and photoluminescence investigation of CdS/CdSe quantum dots on TiO <sub>2</sub> nanoparticles with multi-walled carbon nanotubes and their application in solar cells. <i>Vibrational Spectroscopy</i> , 2015, 80, 66-69.                                     | 2.2  | 10        |
| 84 | Microstructure and Biological Properties of Electrospun In Situ Polymerization of Polycaprolactone-Graft-Polyacrylic Acid Nanofibers and Its Composite Nanofiber Dressings. <i>Polymers</i> , 2021, 13, 4246.  | 4.5  | 10        |
| 85 | Syntheses of size-varied nanorods TiO <sub>2</sub> and blending effects on efficiency for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2013, 235, 297-302.  | 7.8  | 9         |
| 86 | International round-robin inter-comparison of dye-sensitized and crystalline silicon solar cells. <i>Journal of Power Sources</i> , 2017, 340, 309-318.  | 7.8  | 9         |
| 87 | High-Performance Stable Perovskite Solar Cell via Defect Passivation With Constructing Tunable Graphitic Carbon Nitride. <i>Solar Rrl</i> , 2021, 5, 2100257.  | 5.8  | 9         |
| 88 | Carbazole Containing Ru-based Photosensitizer for Dye-Sensitized Solar Cell. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 1127-1130.   | 1.4  | 8         |
| 89 | Monoanchoring (D <sub>2</sub> C <sub>2</sub> ) and Dianchoring (D <sub>2</sub> C <sub>2</sub> ) <sup>2</sup> Organic Dyes Featuring Triarylamine Donors Composed of Fluorene and Carbazole. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 886-898.            | 2.7  | 8         |
| 90 | Study of electrospun polyacrylonitrile fibers with porous and ultrafine nanofibril structures: Effect of stabilization treatment on the resulting carbonized structure. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48218.                                | 2.6  | 8         |

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|-----|---|-----|-----------|
| 91  | Sequential Preparation of Dual-Layer Fluorine-Doped Tin Oxide Films for Highly Efficient Perovskite Solar Cells. <i>ChemSusChem</i> , 2018, 11, 3234-3242.  | 6.8 | 7         |
| 92  | Barium doping effect on the photovoltaic performance and stability of MA <sub>0.4</sub> FA <sub>0.6</sub> Ba <sub>x</sub> Pb <sub>1-x</sub> lyCl <sub>3-y</sub> perovskite solar cells. <i>Applied Surface Science</i> , 2020, 521, 146451.   | 6.1 | 7         |
| 93  | Step-saving synthesis of star-shaped hole-transporting materials with carbazole or phenothiazine cores via optimized C-H/Br coupling reactions. <i>RSC Advances</i> , 2021, 11, 8879-8885.  | 3.6 | 7         |
| 94  | The Effect of Post-Baking Temperature and Thickness of ZnO Electron Transport Layers for Efficient Planar Heterojunction Organometal-Trihalide Perovskite Solar Cells. <i>Coatings</i> , 2017, 7, 215.  | 2.6 | 6         |
| 95  | Development of Step-Saving Alternative Synthetic Pathways for Functional Conjugated Materials. <i>Chemical Record</i> , 2021, , .   | 5.8 | 6         |
| 96  | Reducing Defects in Organic-Lead Halide Perovskite Film by Delayed Thermal Annealing Combined with KI/I <sub>2</sub> for Efficient Perovskite Solar Cells. <i>Nanomaterials</i> , 2021, 11, 1607.   | 4.1 | 6         |
| 97  | Organic Solvent Resistant Nanocomposite Films Made from Self-precipitated Ag/TiO <sub>2</sub> Nanofibers and Cellulose Nanofiber for Harmful Volatile Organic Compounds Photodegradation. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101467.  | 3.7 | 5         |
| 98  | Pd-Free synthesis of dithienothiophene-based oligoaryls for effective hole-transporting materials by optimized Cu-catalyzed annulation and direct C-H arylation. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2821-2829.   | 4.5 | 5         |
| 99  | Polymer Additives for Morphology Control in High-Performance Lead-Reduced Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2070063.  | 5.8 | 4         |
| 100 | High Efficiency Quasi-2D/3D Pb-Ba Perovskite Solar Cells via Phenethylammonium Chloride Addition. <i>Solar Rrl</i> , 2022, 6, .   | 5.8 | 4         |
| 101 | Solid-state reaction process for high-quality organometallic halide perovskite thin film. <i>Solar Energy Materials and Solar Cells</i> , 2021, 227, 111014.  | 6.2 | 3         |
| 102 | High-Performance Stable Perovskite Solar Cell via Defect Passivation With Constructing Tunable Graphitic Carbon Nitride. <i>Solar Rrl</i> , 2021, 5, 2170084.   | 5.8 | 2         |
| 103 | Effect of Thiophene Insertion on X-Shaped Anthracene-Based Hole-Transporting Materials in Perovskite Solar Cells. <i>Polymers</i> , 2022, 14, 1580.   | 4.5 | 2         |
| 104 | Organic Solvent Resistant Nanocomposite Films Made from Self-precipitated Ag/TiO <sub>2</sub> Nanofibers and Cellulose Nanofiber for Harmful Volatile Organic Compounds Photodegradation ( <i>Adv. Mater. Interfaces</i> 22/2021). <i>Advanced Materials Interfaces</i> , 2021, 8, 2170129. | 3.7 | 0         |