Fenghong Li

List of Publications by Year
in descending order

38 papers	1,477 citations	394421 19 h-index	315739 38 g-index
40 all docs	40 docs citations	40 times ranked	2287 citing authors

#	Article	IF	Citations
1	Surfactant-Encapsulated Polyoxometalate Complex as a Cathode Interlayer for Nonfullerene Polymer Solar Cells. CCS Chemistry, 2022, 4, 975-986.	7.8	5
2	Quinacridone-based small molecule acceptor as a third component in ternary organic solar cells. Chemical Engineering Journal, 2022, 432, 134405.	12.7	6
3	Large area organic photovoltaic modules fabricated on a 30Âcm by 20Âcm substrate with a power conversion efficiency of 9.5%. Solar Energy Materials and Solar Cells, 2020, 218, 110762.	6.2	12
4	[(C 8 H 17) 4 N] 4 [SiW 12 O 40] (TASiWâ€12)â€Modified SnO 2 Electron Transport Layer for Efficient and Stable Perovskite Solar Cells. Solar Rrl, 2020, 4, 2000406.	5.8	10
5	Modification of Hole Transport Layers for Fabricating High Performance Nonâ€fullerene Polymer Solar Cells. Chinese Journal of Chemistry, 2020, 38, 817-822.	4.9	12
6	Revealing working mechanisms of PFN as a cathode interlayer in conventional and inverted polymer solar cells. Physical Chemistry Chemical Physics, 2019, 21, 20065-20072.	2.8	8
7	Benzothiadiazole-oligothiophene flanked dicyanomethylenated quinacridone for non-fullerene acceptors in polymer solar cells. New Journal of Chemistry, 2018, 42, 5005-5013.	2.8	7
8	A naphthodithieno[3,2-<i>b</i>]thiophene-based copolymer as a novel third component in ternary polymer solar cells with a simultaneously enhanced open circuit voltage, short circuit current and fill factor. New Journal of Chemistry, 2018, 42, 5314-5322.	2.8	1
9	Cathode and Anode Interlayers Based on Polymer Carbon Dots via Work Function Regulation for Efficient Polymer Solar Cells. Advanced Materials Interfaces, 2018, 5, 1701519.	3.7	20
10	Role of Central Metal Ions in 8â€Hydroxyquinolineâ€Doped ZnO Interfacial Layers for Improving the Performance of Polymer Solar Cells. Advanced Materials Interfaces, 2018, 5, 1801172.	3.7	15
11	Insights into Working Mechanism of Alkali Metal Fluorides as Dopants of ZnO Films in Inverted Polymer Solar Cells. Journal of Physical Chemistry C, 2018, 122, 24542-24549.	3.1	8
12	Vinylidenedithiophenmethyleneoxindole-based donor-acceptor copolymers with 1D and 2D conjugated backbones: Synthesis, characterization, and their photovoltaic properties. Dyes and Pigments, 2017, 144, 1-8.	3.7	4
13	Investigating Working Mechanism of Metallophthalocyanine Derivatives as a Cathode Interlayer in Polymer Solar Cells by Photoemission Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 21244-21251.	3.1	2
14	High-Efficiency Aqueous-Processed Polymer/CdTe Nanocrystals Planar Heterojunction Solar Cells with Optimized Band Alignment and Reduced Interfacial Charge Recombination. ACS Applied Materials & Interfaces, 2017, 9, 31345-31351.	8.0	29
15	Alcohol-Soluble Isoindigo Derivative IIDTh-NSB as a Novel Modifier of ZnO in Inverted Polymer Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 42969-42977.	8.0	15
16	Effect of alkyl chain length of the ammonium groups in SEPC-CIL on the performance of polymer solar cells. Journal of Materials Chemistry A, 2017, 5, 15294-15301.	10.3	11
17	Improvement in Open-Circuit Voltage of Thin Film Solar Cells from Aqueous Nanocrystals by Interface Engineering. ACS Applied Materials & Interfaces, 2016, 8, 900-907.	8.0	35
18	Porous Organic Polymer Films with Tunable Work Functions and Selective Hole and Electron Flows for Energy Conversions. Angewandte Chemie, 2016, 128, 3101-3105.	2.0	25

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19	Porous Organic Polymer Films with Tunable Work Functions and Selective Hole and Electron Flows for Energy Conversions. Angewandte Chemie - International Edition, 2016, 55, 3049-3053.	13.8	121
20	Aqueous Solution Processed Photoconductive Cathode Interlayer for High Performance Polymer Solar Cells with Thick Interlayer and Thick Active Layer. Advanced Materials, 2016, 28, 7521-7526.	21.0	102
21	Naphthodithieno[3,2-b]thiophene-based donor-acceptor copolymers: Synthesis, characterization, and their photovoltaic and charge transport properties. Dyes and Pigments, 2016, 131, 1-8.	3.7	8
22	Improving the efficiency of polymer solar cells via a treatment of methanolâ€‰:â€‰water on the active layers. Journal of Materials Chemistry A, 2016, 4, 9644-9652.	10.3	23
23	Metallophthalocyanine derivatives utilized as cathode interlayers for polymer solar cells: a practical approach to prepare a uniform film. RSC Advances, 2016, 6, 40442-40449.	3.6	5
24	Anode engineering of highly efficient polymer solar cells using treated ITO. Chemical Research in Chinese Universities, 2016, 32, 689-694.	2.6	1
25	Insights into the working mechanism of cathode interlayers in polymer solar cells via [(C₈H₁₇)₄N]₄[SiW₁₂O₄₀]. Journal of Materials Chemistry A, 2016, 4, 19189-19196.	10.3	42
26	High Performance Small-Molecule Cathode Interlayer Materials with D-A-D Conjugated Central Skeletons and Side Flexible Alcohol/Water-Soluble Groups for Polymer Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 32823-32832.	8.0	35
27	N-type cathode interlayer based on dicyanomethylenated quinacridone derivative for high-performance polymer solar cells. Journal of Materials Chemistry A, 2016, 4, 2169-2177.	10.3	24
28	Improving the Photovoltaic Performance of Polymer Solar Cells Based on Furan-Flanked Diketopyrrolopyrrole Copolymers via Tuning the Alkyl Side Chain. Journal of Physical Chemistry C, 2016, 120, 4824-4832.	3.1	15
29	Ï€â€Conjugated Microporous Polymer Films: Designed Synthesis, Conducting Properties, and Photoenergy Conversions. Angewandte Chemie - International Edition, 2015, 54, 13594-13598.	13.8	182
30	Application of a water-soluble metallophthalocyanine derivative as a cathode interlayer for the polymer solar cells. Solar Energy Materials and Solar Cells, 2015, 141, 93-100.	6.2	19
31	Highly efficient polymer solar cells based on a universal cathode interlayer composed of metallophthalocyanine derivative with good film-forming property. Journal of Materials Chemistry A, 2015, 3, 4547-4554.	10.3	37
32	Improving the efficiency of polymer solar cells based on furan-flanked diketopyrrolopyrrole copolymer via solvent additive and methanol treatment. Nanoscale, 2015, 7, 15945-15952.	5.6	24
33	Achieving High Efficiency of PTB7â€Based Polymer Solar Cells via Integrated Optimization of Both Anode and Cathode Interlayers. Advanced Energy Materials, 2014, 4, 1301771.	19.5	102
34	A water-soluble metallophthalocyanine derivative as a cathode interlayer for highly efficient polymer solar cells. Journal of Materials Chemistry A, 2014, 2, 12484-12491.	10.3	54
35	Electrochemical Route to Fabricate Filmâ€Like Conjugated Microporous Polymers and Application for Organic Electronics. Advanced Materials, 2013, 25, 3443-3448.	21.0	212
36	Efficient polymer/nanocrystal hybrid solar cells fabricated from aqueous materials. Energy and Environmental Science, 2011, 4, 2831.	30.8	58

#	Article	IF	Citations
37	Nitrileâ€Substituted QA Derivatives: New Acceptor Materials for Solutionâ€Processable Organic Bulk Heterojunction Solar Cells. Advanced Energy Materials, 2011, 1, 431-439.	19.5	135
38	Ternary organic solar cell with 1750 hours half lifetime under UV irradiation with solar intensity. Solar Rrl, 0, , .	5.8	4