

# Zhenhuan Lu

## List of Publications by Year in descending order

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18  
papers

1,292  
citations

623734

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839539

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g-index

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19  
docs citations

19  
times ranked

1964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Achieving ultra-narrow bandgap non-halogenated non-fullerene acceptors via vinylene $\pi$ -bridges for efficient organic solar cells. <i>Materials Advances</i> , 2021, 2, 2132-2140.	5.4	16
2	Determination of the Mono and Dibromo Derivatives Ratio Resulting from Semiconductor Bromination Using Ultraviolet-visible Absorption Spectroscopy and Gaussian Peak Fitting. <i>Analytical Sciences</i> , 2021, 37, 569-573.	1.6	1
3	Chemically Bonded N-PDI-P/WO <sub>3</sub> Organic-Inorganic Heterojunction with Improved Photoelectrochemical Performance. <i>Catalysts</i> , 2020, 10, 122.	3.5	4
4	In-situ ion-exchange synthesis Ag <sub>2</sub> S modified SnS <sub>2</sub> nanosheets toward highly photocurrent response and photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 784-791.	9.4	64
5	Edge-to-face stacking non-fullerene small molecule acceptor for bulk heterojunction solar cells. <i>Dyes and Pigments</i> , 2016, 132, 41-47.	3.7	15
6	In situ ion-exchange synthesis of SnS <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> nanosheets heterojunction for enhancing photocatalytic activity. <i>RSC Advances</i> , 2016, 6, 10802-10809.	3.6	85
7	A new solution-processed diketopyrrolopyrrole donor for non-fullerene small-molecule solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1869-1876.	10.3	28
8	Perylene Diimide Based Non-Fullerene Solar Cells with 4.34% Efficiency through Engineering Surface Donor/Acceptor Compositions. <i>Chemistry of Materials</i> , 2014, 26, 2907-2914.	6.7	150
9	Additive-Assisted Control over Phase-Separated Nanostructures by Manipulating Alkylthienyl Position at Donor Backbone for Solution-Processed, Non-Fullerene, All-Small-Molecule Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 3853-3862.	8.0	70
10	Benzodithiophene bridged dimeric perylene diimide amphiphiles as efficient solution-processed non-fullerene small molecules. <i>Polymer Chemistry</i> , 2013, 4, 4631.	3.9	66
11	A Potential Perylene Diimide Dimer-Based Acceptor Material for Highly Efficient Solution-Processed Non-Fullerene Organic Solar Cells with 4.03% Efficiency. <i>Advanced Materials</i> , 2013, 25, 5791-5797.	21.0	444
12	Solution-Processed DPP-Based Small Molecule that Gives High Photovoltaic Efficiency with Judicious Device Optimization. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 2033-2039.	8.0	163
13	Impact of molecular solvophobicity vs. solvophilicity on device performances of dimeric perylene diimide based solution-processed non-fullerene organic solar cells. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11375.	2.8	43
14	The leverage effect of the relative strength of molecular solvophobicity vs. solvophilicity on fine-tuning nanomorphologies of perylene diimide bolaamphiphiles. <i>Soft Matter</i> , 2013, 9, 3089.	2.7	12
15	Significant improvement of photovoltaic performance by embedding thiophene in solution-processed star-shaped TPA-DPP backbone. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5747.	10.3	69
16	Effects of structure-manipulated molecular stacking on solid-state optical properties and device performances. <i>Polymer Chemistry</i> , 2012, 3, 2832.	3.9	41
17	Large-scale, ultra-dense and vertically standing zinc phthalocyanine $\pi$ -stacks as a hole-transporting layer on an ITO electrode. <i>Journal of Materials Chemistry</i> , 2012, 22, 23492.	6.7	18
18	A Novel Synthetic Method for the Preparation of Aliphatic Aldehydes from the Corresponding Carboxylic Acids. <i>Chinese Journal of Chemistry</i> , 2011, 29, 489-492.	4.9	3