

# Yameng Ren

## 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.

20  
papers

835  
citations

14  
h-index

20  
g-index

20  
ext. papers

1,074  
ext. citations

13.4  
avg, IF

4.45  
L-index

#	Paper	IF	Citations
20	The Rise of Dye-Sensitized Solar Cells: From Molecular Photovoltaics to Emerging Solid-State Photovoltaic Technologies. <i>Helvetica Chimica Acta</i> , <b>2021</b> , 104, e2000230	2	8
19	Transparent and Colorless Dye-Sensitized Solar Cells Exceeding 75% Average Visible Transmittance. <i>Jacs Au</i> , <b>2021</b> , 1, 409-426		19
18	A molecular photosensitizer achieves a V of 1.24 V enabling highly efficient and stable dye-sensitized solar cells with copper(II/I)-based electrolyte. <i>Nature Communications</i> , <b>2021</b> , 12, 1777	17.4	67
17	Low-Cost Dopant Additive-Free Hole-Transporting Material for a Robust Perovskite Solar Cell with Efficiency Exceeding 21%. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 208-215	20.1	30
16	Synergistic Effect of Fluorinated Passivator and Hole Transport Dopant Enables Stable Perovskite Solar Cells with an Efficiency Near 24. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 3231-3237	16.4	73
15	Phenanthrene-Fused-Quinoxaline as a Key Building Block for Highly Efficient and Stable Sensitizers in Copper-Electrolyte-Based Dye-Sensitized Solar Cells. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 9410-9415	3.6	6
14	Phenanthrene-Fused-Quinoxaline as a Key Building Block for Highly Efficient and Stable Sensitizers in Copper-Electrolyte-Based Dye-Sensitized Solar Cells. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 9324-9329	16.4	30
13	A Blue Photosensitizer Realizing Efficient and Stable Green Solar Cells via Color Tuning by the Electrolyte. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000193	24	16
12	Blue Photosensitizer with Copper(II/I) Redox Mediator for Efficient and Stable Dye-Sensitized Solar Cells. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2004804	15.6	13
11	Bis-Tridentate-Cyclometalated Ruthenium Complexes with Extended Anchoring Ligand and Their Performance in Dye-Sensitized Solar Cells.. <i>ChemistrySelect</i> , <b>2018</b> , 3, 1585-1592	1.8	4
10	A Stable Blue Photosensitizer for Color Palette of Dye-Sensitized Solar Cells Reaching 12.6% Efficiency. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 2405-2408	16.4	221
9	Evolution of the Excited-State Dynamics of 2H-Dinaphthopentacene Based Dyes in Dye-Sensitized Solar Cells: From Chromophoric Core to Ultimate Dye. <i>Solar Rrl</i> , <b>2018</b> , 2, 1800119	7.1	3
8	2-Dinaphthopentacene: A Polycyclic Aromatic Hydrocarbon Core for Metal-Free Organic Sensitizers in Efficient Dye-Sensitized Solar Cells. <i>Advanced Science</i> , <b>2017</b> , 4, 1700099	13.6	31
7	Effect of Donor Groups on the Performance of Cyclometalated Ruthenium Sensitizers in Dye-Sensitized Solar Cells. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 13437-13445	5.1	9
6	Improving the performance of dye-sensitized solar cells with electron-donor and electron-acceptor characteristic of planar electronic skeletons. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 1390-1399	35.4	63
5	A structurally simple perylene dye with ethynylbenzothiadiazole-benzoic acid as the electron acceptor achieves an over 10% power conversion efficiency. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 1438-1442	35.4	76
4	Efficient triarylamine-perylene dye-sensitized solar cells: influence of triple-bond insertion on charge recombination. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 801-9	9.5	37

3	Electron-Acceptor-Dependent Light Absorption and Charge-Transfer Dynamics in N-Annulated Perylene Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 980-988	3.8	37
2	Unraveling the Pivotal Impacts of Electron-Acceptors on Light Absorption and Carrier Photogeneration in Perylene Dye Sensitized Solar Cells. <i>ACS Photonics</i> , <b>2014</b> , 1, 710-717	6.3	32
1	Synthesis and superior anode performances of TiO <sub>2</sub> -carbon-rGO composites in lithium-ion batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 4776-80	9.5	60