Yameng Ren

List of Publications by Citations

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	A Stable Blue Photosensitizer for Color Palette of Dye-Sensitized Solar Cells Reaching 12.6% Efficiency. *Journal of the American Chemical Society*, **2018**, 140, 2405-2408	16.4	221
19	A structurally simple perylene dye with ethynylbenzothiadiazole-benzoic acid as the electron acceptor achieves an over 10% power conversion efficiency. *Energy and Environmental Science*, **2015**, 8, 1438-1442	35.4	76
18	Synergistic Effect of Fluorinated Passivator and Hole Transport Dopant Enables Stable Perovskite Solar Cells with an Efficiency Near 24. *Journal of the American Chemical Society*, **2021**, 143, 3231-3237	16.4	73
17	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. *Nature Communications*, **2021**, 12, 1777	17.4	67
16	Improving the performance of dye-sensitized solar cells with electron-donor and electron-acceptor characteristic of planar electronic skeletons. *Energy and Environmental Science*, **2016**, 9, 1390-1399	35.4	63
15	Synthesis and superior anode performances of TiO2-carbon-rGO composites in lithium-ion batteries. *ACS Applied Materials & Interfaces*, **2012**, 4, 4776-80	9.5	60
14	Efficient triarylamine-perylene dye-sensitized solar cells: influence of triple-bond insertion on charge recombination. *ACS Applied Materials & Interfaces*, **2015**, 7, 801-9	9.5	37
13	Electron-Acceptor-Dependent Light Absorption and Charge-Transfer Dynamics in N-Annulated Perylene Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2015**, 119, 980-988	3.8	37
12	Unraveling the Pivotal Impacts of Electron-Acceptors on Light Absorption and Carrier Photogeneration in Perylene Dye Sensitized Solar Cells. *ACS Photonics*, **2014**, 1, 710-717	6.3	32
11	2-Dinaphthopentacene: A Polycyclic Aromatic Hydrocarbon Core for Metal-Free Organic Sensitizers in Efficient Dye-Sensitized Solar Cells. *Advanced Science*, **2017**, 4, 1700099	13.6	31
10	Phenanthrene-Fused-Quinoxaline as a Key Building Block for Highly Efficient and Stable Sensitizers in Copper-Electrolyte-Based Dye-Sensitized Solar Cells. *Angewandte Chemie - International Edition*, **2020**, 59, 9324-9329	16.4	30
9	Low-Cost Dopant Additive-Free Hole-Transporting Material for a Robust Perovskite Solar Cell with Efficiency Exceeding 21%. *ACS Energy Letters*, **2021**, 6, 208-215	20.1	30
8	Transparent and Colorless Dye-Sensitized Solar Cells Exceeding 75% Average Visible Transmittance. *Jacs Au*, **2021**, 1, 409-426		19
7	A Blue Photosensitizer Realizing Efficient and Stable Green Solar Cells via Color Tuning by the Electrolyte. *Advanced Materials*, **2020**, 32, e2000193	24	16
6	Blue Photosensitizer with Copper(II/I) Redox Mediator for Efficient and Stable Dye-Sensitized Solar Cells. *Advanced Functional Materials*, **2020**, 30, 2004804	15.6	13
5	Effect of Donor Groups on the Performance of Cyclometalated Ruthenium Sensitizers in Dye-Sensitized Solar Cells. *Inorganic Chemistry*, **2017**, 56, 13437-13445	5.1	9
4	The Rise of Dye-Sensitized Solar Cells: From Molecular Photovoltaics to Emerging Solid-State Photovoltaic Technologies. *Helvetica Chimica Acta*, **2021**, 104, e2000230	2	8

List of Publications

3	Phenanthrene-Fused-Quinoxaline as a Key Building Block for Highly Efficient and Stable Sensitizers in Copper-Electrolyte-Based Dye-Sensitized Solar Cells. *Angewandte Chemie*, **2020**, 132, 9410-9415	3.6	6
2	Bis-Tridentate-Cyclometalated Ruthenium Complexes with Extended Anchoring Ligand and Their Performance in Dye-Sensitized Solar Cells.. *ChemistrySelect*, **2018**, 3, 1585-1592	1.8	4
1	Evolution of the Excited-State Dynamics of 2H-Dinaphthopentacene Based Dyes in Dye-Sensitized Solar Cells: From Chromophoric Core to Ultimate Dye. *Solar Rrl*, **2018**, 2, 1800119	7.1	3