

# Ruihao Xie

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

677  
citations

840585

11  
h-index

794469

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1162  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cu(II)-Porphyrin based near-infrared molecules: synthesis, characterization and photovoltaic application. <i>New Journal of Chemistry</i> , 2021, 45, 1601-1608.	1.4	4
2	Polymer acceptor based on naphthalene diimide and diethynylbenzo[1,2-b:4,5-b'] dithiophene units for efficient all-polymer solar cells. <i>Dyes and Pigments</i> , 2021, 189, 109246.	2.0	3
3	Influence of the CN substitution position on the performance of dicyanodistyrylbenzene-based polymer solar cells. <i>Polymer Chemistry</i> , 2020, 11, 1653-1662.	1.9	5
4	Efficient Non-Fullerene Organic Solar Cells Based on a Wide-Bandgap Polymer Donor Containing an Alkylthiophenyl-Substituted Benzodithiophene Moiety. <i>ChemPhysChem</i> , 2019, 20, 2668-2673.	1.0	5
5	High-Performance All-Polymer Photodetectors via a Thick Photoactive Layer Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 14208-14214.	4.0	54
6	8.0% Efficient all-polymer solar cells based on novel starburst polymer acceptors. <i>Science China Chemistry</i> , 2018, 61, 576-583.	4.2	28
7	Cross-conjugated n-type polymer acceptors for efficient all-polymer solar cells. <i>Chemical Communications</i> , 2018, 54, 2204-2207.	2.2	18
8	Star-shaped electron acceptors containing a truxene core for non-fullerene solar cells. <i>Organic Electronics</i> , 2018, 52, 42-50.	1.4	52
9	Overcoming the morphological and efficiency limit in all-polymer solar cells by designing conjugated random copolymers containing a naphtho[1,2-c<math>:5,6-c</math>]bis([1,2,5]thiadiazole) moiety. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23295-23300.	5.2	15
10	Fine-tuning of the chemical structure of photoactive materials for highly efficient organic photovoltaics. <i>Nature Energy</i> , 2018, 3, 1051-1058.	19.8	281
11	Designing ternary blend all-polymer solar cells with an efficiency of over 10% and a fill factor of 78%. <i>Nano Energy</i> , 2018, 51, 434-441.	8.2	61
12	Efficient Non-fullerene Organic Solar Cells Enabled by Sequential Fluorination of Small-Molecule Electron Acceptors. <i>Frontiers in Chemistry</i> , 2018, 6, 303.	1.8	11
13	High-Performance Green Solvent Processed Ternary Blended All-Polymer Solar Cells Enabled by Complementary Absorption and Improved Morphology. <i>Solar Rrl</i> , 2018, 2, 1800196.	3.1	26
14	A Rational Design and Synthesis of Cross-Conjugated Small Molecule Acceptors Approaching High-Performance Fullerene-Free Polymer Solar Cells. <i>Chemistry of Materials</i> , 2018, 30, 4331-4342.	3.2	22
15	Introducing cyclic alkyl chains into small-molecule acceptors for efficient polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7046-7053.	2.7	23
16	Self-Doped N-Type Water/Alcohol Soluble-Conjugated Polymers with Tailored Backbones and Polar Groups for Highly Efficient Polymer Solar Cells. <i>Solar Rrl</i> , 2017, 1, 1700055.	3.1	46
17	Diethynylbenzo[1,2- <i>b</i> :4,5- <i>b'</i> ]dithiophene-based small molecule and cross-conjugated copolymers for organic solar cells. <i>Journal of Polymer Science Part A</i> , 2017, 55, 660-671.	2.5	3
18	Synthesis of medium-bandgap Conjugated polymers based on isomers of 5-Alkylphenanthridine (5H)one and 6-Alkoxyphenanthridine. <i>Journal of Polymer Science Part A</i> , 2016, 54, 2119-2127.	2.5	10

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19	Synthesis and characterization of $\pi$ -conjugated copolymers based on alkyltriazolyl substituted benzodithiophene. <i>New Journal of Chemistry</i> , 2016, 40, 4727-4734.	1.4	10