

Yanna Sun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9612084/publications.pdf>

Version: 2024-02-01

29
papers

1,297
citations

516561

16
h-index

477173

29
g-index

29
all docs

29
docs citations

29
times ranked

1672
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible organic photovoltaics based on water-processed silver nanowire electrodes. <i>Nature Electronics</i> , 2019, 2, 513-520.	13.1	255
2	Nonfullerene Tandem Organic Solar Cells with High Performance of 14.11%. <i>Advanced Materials</i> , 2018, 30, e1707508.	11.1	184
3	Achieving high efficiency and well-kept ductility in ternary all-polymer organic photovoltaic blends thanks to two well miscible donors. <i>Matter</i> , 2022, 5, 725-734.	5.0	145
4	A New Nonfullerene Acceptor with Near Infrared Absorption for High Performance Ternary Blend Organic Solar Cells with Efficiency over 13%. <i>Advanced Science</i> , 2018, 5, 1800307.	5.6	111
5	Flexible Organic Solar Cells: Progress and Challenges. <i>Small Science</i> , 2021, 1, 2100001.	5.8	94
6	Achieving Both Enhanced Voltage and Current through Fine-Tuning Molecular Backbone and Morphology Control in Organic Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1901024.	10.2	73
7	The rational and effective design of nonfullerene acceptors guided by a semi-empirical model for an organic solar cell with an efficiency over 15%. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9726-9732.	5.2	54
8	A Direct C-H Coupling Method for Preparing π -Conjugated Functional Polymers with High Regioregularity. <i>Macromolecules</i> , 2018, 51, 379-388.	2.2	39
9	A solution-processed nanoscale COF-like material towards optoelectronic applications. <i>Science China Chemistry</i> , 2021, 64, 82-91.	4.2	38
10	A simple small molecule as the acceptor for fullerene-free organic solar cells. <i>Science China Chemistry</i> , 2017, 60, 366-369.	4.2	29
11	Design and synthesis of low band gap non-fullerene acceptors for organic solar cells with impressively high J_{sc} over 21 mA cm ⁻² . <i>Science China Materials</i> , 2017, 60, 819-828.	3.5	29
12	Flexible High-Performance and Solution-Processed Organic Photovoltaics with Robust Mechanical Stability. <i>Advanced Functional Materials</i> , 2021, 31, 2010000.	7.8	29
13	Developing high-performance small molecule organic solar cells via a large planar structure and an electron-withdrawing central unit. <i>Chemical Communications</i> , 2017, 53, 451-454.	2.2	22
14	An all small molecule organic solar cell based on a porphyrin donor and a non-fullerene acceptor with complementary and broad absorption. <i>Dyes and Pigments</i> , 2020, 176, 108250.	2.0	20
15	Solid-state electrolytes from polysulfide integrated polyvinylpyrrolidone for quantum dot-sensitized solar cells. <i>RSC Advances</i> , 2014, 4, 60478-60483.	1.7	18
16	Concurrently Improved J_{sc} , Fill Factor, and Stability in a Ternary Organic Solar Cell Enabled by a C-Shaped Non-fullerene Acceptor and Its Structurally Similar Third Component. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40766-40777.	4.0	18
17	Subtle Morphology Control with Binary Additives for High-Efficiency Non-Fullerene Acceptor Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 27425-27432.	4.0	16
18	An oxygen heterocycle-fused fluorene based non-fullerene acceptor for high efficiency organic solar cells. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3594-3601.	3.2	15

#	ARTICLE	IF	CITATIONS
19	All-Small-Molecule Organic Solar Cells Based on a Fluorinated Small Molecule Donor With High Open-Circuit Voltage of 1.07 V. <i>Frontiers in Chemistry</i> , 2020, 8, 329.	1.8	15
20	Fluorination-modulated end units for high-performance non-fullerene acceptors based organic solar cells. <i>Science China Materials</i> , 2019, 62, 1210-1217.	3.5	14
21	Simultaneously Enhanced Efficiency and Mechanical Durability in Ternary Solar Cells Enabled by Low-Cost Incompletely Separated Fullerenes. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2200139.	2.0	14
22	Improving current and mitigating energy loss in ternary organic photovoltaics enabled by two well-compatible small molecule acceptors. <i>Science China Chemistry</i> , 2021, 64, 608-615.	4.2	13
23	An A2-A1-A2-type small molecule donor for high-performance organic solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5381-5384.	2.7	12
24	Efficient carbazole-based small-molecule organic solar cells with an improved fill factor. <i>RSC Advances</i> , 2018, 8, 4867-4871.	1.7	11
25	A-D-A-type small molecular acceptor with one hexyl-substituted thiophene as a bridge for fullerene-free organic solar cells. <i>Science China Materials</i> , 2017, 60, 49-56.	3.5	10
26	Dithienosilole-based small molecule donors for efficient all-small-molecule organic solar cells. <i>Dyes and Pigments</i> , 2018, 158, 445-450.	2.0	8
27	Structural optimization of acceptor molecules guided by a semi-empirical model for organic solar cells with efficiency over 15%. <i>Science China Materials</i> , 2021, 64, 2388-2396.	3.5	6
28	An Efficient Ternary Organic Solar Cell with a Porphyrin Based Small Molecule Donor and Two Fullerene Acceptors. <i>Chinese Journal of Organic Chemistry</i> , 2018, 38, 228.	0.6	3
29	Single-junction organic solar cell smashes performance record. <i>Science China Materials</i> , 2022, 65, 2609-2610.	3.5	2