Yanna Sun

List of Publications by Year
in descending order

29	1,297	516561 16	477173 29
papers	citations	h-index	g-index

29	29	29	1672
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Achieving high efficiency and well-kept ductility in ternary all-polymer organic photovoltaic blends thanks to two well miscible donors. Matter, 2022, 5, 725-734.	5.0	145
2	Simultaneously Enhanced Efficiency and Mechanical Durability in Ternary Solar Cells Enabled by Lowâ€Cost Incompletely Separated Fullerenes. Macromolecular Rapid Communications, 2022, 43, e2200139.	2.0	14
3	Single-junction organic solar cell smashes performance record. Science China Materials, 2022, 65, 2609-2610.	3.5	2
4	A solution-processed nanoscale COF-like material towards optoelectronic applications. Science China Chemistry, 2021, 64, 82-91.	4.2	38
5	Improving current and mitigating energy loss in ternary organic photovoltaics enabled by two well-compatible small molecule acceptors. Science China Chemistry, 2021, 64, 608-615.	4.2	13
6	Flexible Highâ€Performance and Solutionâ€Processed Organic Photovoltaics with Robust Mechanical Stability. Advanced Functional Materials, 2021, 31, 2010000.	7.8	29
7	Flexible Organic Solar Cells: Progress and Challenges. Small Science, 2021, 1, 2100001.	5.8	94
8	Structural optimization of acceptor molecules guided by a semi-empirical model for organic solar cells with efficiency over 15%. Science China Materials, 2021, 64, 2388-2396.	3.5	6
9	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. ACS Applied Materials & Interfaces, 2021, 13, 40766-40777.	4.0	18
10	Subtle Morphology Control with Binary Additives for High-Efficiency Non-Fullerene Acceptor Organic Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 27425-27432.	4.0	16
11	An oxygen heterocycle-fused fluorene based non-fullerene acceptor for high efficiency organic solar cells. Materials Chemistry Frontiers, 2020, 4, 3594-3601.	3.2	15
12	An all small molecule organic solar cell based on a porphyrin donor and a non-fullerene acceptor with complementary and broad absorption. Dyes and Pigments, 2020, 176, 108250.	2.0	20
13	All-Small-Molecule Organic Solar Cells Based on a Fluorinated Small Molecule Donor With High Open-Circuit Voltage of 1.07 V. Frontiers in Chemistry, 2020, 8, 329.	1.8	15
14	The rational and effective design of nonfullerene acceptors guided by a semi-empirical model for an organic solar cell with an efficiency over 15%. Journal of Materials Chemistry A, 2020, 8, 9726-9732.	5.2	54
15	Achieving Both Enhanced Voltage and Current through Fineâ€Tuning Molecular Backbone and Morphology Control in Organic Solar Cells. Advanced Energy Materials, 2019, 9, 1901024.	10.2	73
16	Fluorination-modulated end units for high-performance non-fullerene acceptors based organic solar cells. Science China Materials, 2019, 62, 1210-1217.	3.5	14
17	An A2â€“Ïâ€“A1â€“Ïâ€“A2-type small molecule donor for high-performance organic solar cells. Journal of Materials Chemistry C, 2019, 7, 5381-5384.	2.7	12
18	Flexible organic photovoltaics based on water-processed silver nanowire electrodes. Nature Electronics, 2019, 2, 513-520.	13.1	255

#	Article	IF	Citations
19	A New Nonfullerene Acceptor with Near Infrared Absorption for High Performance Ternaryâ€Blend Organic Solar Cells with Efficiency over 13%. Advanced Science, 2018, 5, 1800307.	5.6	111
20	Efficient carbazole-based small-molecule organic solar cells with an improved fill factor. RSC Advances, 2018, 8, 4867-4871.	1.7	11
21	A Direct Câ€“H Coupling Method for Preparing Ï€-Conjugated Functional Polymers with High Regioregularity. Macromolecules, 2018, 51, 379-388.	2.2	39
22	Nonfullerene Tandem Organic Solar Cells with High Performance of 14.11%. Advanced Materials, 2018, 30, e1707508.	11.1	184
23	Dithienosilole-based small molecule donors for efficient all-small-molecule organic solar cells. Dyes and Pigments, 2018, 158, 445-450.	2.0	8
24	An Efficient Ternary Organic Solar Cell with a Porphyrin Based Small Molecule Donor and Two Fullerene Acceptors. Chinese Journal of Organic Chemistry, 2018, 38, 228.	0.6	3
25	Developing high-performance small molecule organic solar cells via a large planar structure and an electron-withdrawing central unit. Chemical Communications, 2017, 53, 451-454.	2.2	22
26	A simple small molecule as the acceptor for fullerene-free organic solar cells. Science China Chemistry, 2017, 60, 366-369.	4.2	29
27	A-D-A-type small molecular acceptor with one hexyl-substituted thiophene as Ï€ bridge for fullerene-free organic solar cells. Science China Materials, 2017, 60, 49-56.	3.5	10
28	Design and synthesis of low band gap non-fullerene acceptors for organic solar cells with impressively high Jsc over 21 mA cm_2. Science China Materials, 2017, 60, 819-828.	3.5	29
29	Solid-state electrolytes from polysulfide integrated polyvinylpyrrolidone for quantum dot-sensitized solar cells. RSC Advances, 2014, 4, 60478-60483.	1.7	18