

Lunxiang Yin

List of Publications by Year in descending order

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20
papers

535
citations

759233

12
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

786
citing authors

#	ARTICLE	IF	CITATIONS
1	D π -A π -D type benzothiadiazole-triphenylamine based small molecules containing cyano on the π -bridge for solution-processed organic solar cells with high open-circuit voltage. <i>Chemical Communications</i> , 2012, 48, 10627.	4.1	83
2	High performance asymmetrical push-pull small molecules end-capped with cyanophenyl for solution-processed solar cells. <i>Chemical Communications</i> , 2014, 50, 10251-10254.	4.1	61
3	Design of organic small molecules for photovoltaic application with high open-circuit voltage (V_{oc}). <i>Journal of Materials Chemistry C</i> , 2019, 7, 2487-2521.	5.5	57
4	D π A π D low band gap molecule containing triphenylamine and benzoxadiazole/benzothiadiazole units: Synthesis and photophysical properties. <i>Dyes and Pigments</i> , 2012, 95, 229-235.	3.7	55
5	The synthesis and photovoltaic properties of A π -D π -A-type small molecules containing diketopyrrolopyrrole terminal units. <i>New Journal of Chemistry</i> , 2013, 37, 632-639.	2.8	51
6	D π -A π -D-type low band gap diketopyrrolopyrrole based small molecules containing an ethynyl-linkage: synthesis and photovoltaic properties. <i>RSC Advances</i> , 2015, 5, 31606-31614.	3.6	37
7	Linkage effects of linear D π -A π -D type diketopyrrolopyrrole-triphenylamine based solution-processable organic small molecule photovoltaic materials. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4019.	5.5	34
8	High open-circuit voltage of the solution-processed organic solar cells based on benzothiadiazole-triphenylamine small molecules incorporating π -linkage. <i>Organic Electronics</i> , 2014, 15, 1138-1148.	2.6	26
9	Tuning photovoltaic performance of DOBT-based dyes via molecular design with ethynyl-linker and terminal electron-donating segment. <i>Dyes and Pigments</i> , 2017, 140, 203-211.	3.7	24
10	Tuning the photovoltaic performance of BT-TPA chromophore based solution-processed solar cells through molecular design incorporating of bithiophene unit and fluorine-substitution. <i>Dyes and Pigments</i> , 2015, 118, 37-44.	3.7	22
11	π -Linkage effect of push-pull-structure organic small molecules for photovoltaic application. <i>Science China Materials</i> , 2016, 59, 371-388.	6.3	16
12	Design and structural modification of narrow-bandgap small molecules based on asymmetric porphyrin-diketopyrrolopyrrole backbone for solution-processed organic solar cells. <i>Dyes and Pigments</i> , 2020, 176, 108211.	3.7	14
13	Efficient design and structural modifications for tuning the photoelectric properties of small-molecule acceptors in organic solar cells. <i>New Journal of Chemistry</i> , 2019, 43, 6577-6586.	2.8	13
14	Novel A π -D π -A-type BODIPY dyads as small-molecule donors for solution-processed organic solar cells. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3248-3258.	5.5	12
15	Efficient small molecule photovoltaic donor based on 2,3-diphenyl-substituted quinoxaline core for solution-processed organic solar cells. <i>RSC Advances</i> , 2017, 7, 23779-23786.	3.6	9
16	Narrow band gap isoindigo-based small molecules for solution-processed organic solar cells with high open-circuit voltage. <i>Synthetic Metals</i> , 2016, 220, 448-454.	3.9	6
17	Effective structural modifications enabled by end-capped effects based on fluorene-core donor, with high open-circuit voltage in organic photovoltaic devices. <i>Dyes and Pigments</i> , 2020, 183, 108709.	3.7	5
18	D π -A π -2-type asymmetric small molecules based on triphenylamine-diketopyrrolopyrrole/5,6-difluoro-2,1,3-benzothiadiazole backbone for organic photovoltaic materials. <i>New Journal of Chemistry</i> , 2020, 44, 13319-13329.	2.8	4

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19	2,2',6,6'-tetrafluoro-4,4'-biphenyl extended small-molecule photovoltaic donor based on fluorene-diketopyrrolopyrrole with an end-group fluorination effect. <i>Materials Advances</i> , 2022, 3, 6496-6505.	5.4	4
20	Novel Small Four-armed Molecules with Triphenylamine-bridged Structure for Organic Solar Cells Featuring High Open-circuit Voltage. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 1032-1039.	2.6	2