

Solution-processed small-molecule solar cells with 6.7%

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Citation Report

#	ARTICLE	IF	CITATIONS
2	High efficiency and high photo-stability zinc-phthalocyanine based planar heterojunction solar cells with a double interfacial layer. Applied Physics Letters, 2012, 101, .	1.5	14
3	Optical modeling of organic solar cells based on rubrene and C ₇₀ . Applied Optics, 2012, 51, 5718.	0.9	14
4	Snow cleaning of substrates increases yield of large-area organic photovoltaics. Applied Physics Letters, 2012, 101, 133901.	1.5	29
5	Phase separation of co-evaporated ZnPc:C60 blend film for highly efficient organic photovoltaics. Applied Physics Letters, 2012, 100, 233302.	1.5	50
6	Efficiency enhancement in mesogenic-phthalocyanine-based solar cells with processing additives. Applied Physics Letters, 2012, 101, .	1.5	34
7	Rhenium oxide as an efficient p-dopant to overcome S-shaped current density-voltage curves in organic photovoltaics with a deep highest occupied molecular orbital level donor layer. Applied Physics Letters, 2012, 101, 153303.	1.5	16
8	Theoretical study on the effects of nitrogen and methyl substitution on tris-(8-hydroxyquinoline) aluminum: An efficient exciton blocking layer for organic photovoltaic cells. Journal of Chemical Physics, 2012, 137, 034704.	1.2	8
9	Fullerene nanowires as a versatile platform for organic electronics. Scientific Reports, 2012, 2, 600.	1.6	42
10	Research Highlights on Organic Photovoltaics and Plasmonics. IEEE Photonics Journal, 2012, 4, 620-624.	1.0	12
11	A Versatile Approach to Organic Photovoltaics Evaluation Using White Light Pulse and Microwave Conductivity. Journal of the American Chemical Society, 2012, 134, 19035-19042.	6.6	106
12	Solution processable low bandgap small molecule donors with naphthalene end-groups for organic solar cells. Synthetic Metals, 2012, 162, 1665-1671.	2.1	20
13	Photoinduced Charge Generation in a Molecular Bulk Heterojunction Material. Journal of the American Chemical Society, 2012, 134, 19828-19838.	6.6	143
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16	Top-down meets bottom-up: organized donor-acceptor heterojunctions for organic solar cells. Journal of Materials Chemistry, 2012, 22, 24297.	6.7	73
17	Organic bulk heterojunction solar cells based on solution processable small molecules (A ⁺ -I ⁻ -A) featuring 2-(4-nitrophenyl) acrylonitrile acceptors and phthalimide-based I ⁻ -linkers. Journal of Materials Chemistry, 2012, 22, 13986.	6.7	21
18	Carbazole-containing fullerene derivatives for P3HT-based bulk-heterojunction solar cells. Solar Energy Materials and Solar Cells, 2012, 105, 6-14.	3.0	33
19	Synthesis and Electronic Properties of D ⁺ -A ⁻ -D Triads Based on 3-Alkoxy-4-cyanothiophene and Benzothienothiophene Blocks. Journal of Organic Chemistry, 2012, 77, 2041-2046.	1.7	19

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20	Improved Thermal Oxidation Stability of Solution-Processable Silver Nanowire Transparent Electrode by Reduced Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 6410-6414.	4.0	226
21	Femtosecond Time-Resolved Fluorescence Study of TiO ₂ -Coated ZnO Nanorods/P3HT Photovoltaic Films. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25248-25256.	1.5	27
22	Planar Star-Shaped Organic Semiconductor with Fused Triphenylamine Core for Solution-Processed Small-Molecule Organic Solar Cells and Field-Effect Transistors. <i>Organic Letters</i> , 2012, 14, 6326-6329.	2.4	61
23	Layer-by-layer processed high-performance polymer solar cells. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	37
24	TiO ₂ -Coated Carbon Nanotube-Silicon Solar Cells with Efficiency of 15%. <i>Scientific Reports</i> , 2012, 2, 884.	1.6	141
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38	High efficiency hybrid solar cells using post-deposition ligand exchange by monothiois. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 12094.	1.3	42

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141	High Performance Photovoltaic Applications Using Solution-Processed Small Molecules. <i>Accounts of Chemical Research</i> , 2013, 46, 2645-2655.	7.6	624
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#	ARTICLE	IF	CITATIONS
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1003	Nanoionics–Enabled Memristive Devices: Strategies and Materials for Neuromorphic Applications. <i>Advanced Electronic Materials</i> , 2017, 3, 1600510.	2.6	167
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1009	Quantum modeling of two-level photovoltaic systems. <i>EPJ Photovoltaics</i> , 2017, 8, 85503.	0.8	11
1010	Charge Transport in Molecular Materials: An Assessment of Computational Methods. <i>Chemical Reviews</i> , 2017, 117, 10319-10357.	23.0	310
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1013	Pyridalithiadiazole acceptor-functionalized triarylboranes with multi-responsive optoelectronic characteristics. <i>Chemical Science</i> , 2017, 8, 5497-5505.	3.7	58
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1019	Indenothiophene-based asymmetric small molecules for organic solar cells. <i>RSC Advances</i> , 2017, 7, 18144-18150.	1.7	7
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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