

A guest-assisted molecular-organization approach for & cells using environmentally friendly solvents

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Going green at large. Nature Energy, 0, , .	19.8	0
2	Inhibiting excessive molecular aggregation to achieve highly efficient and stabilized organic solar cells by introducing a star-shaped nitrogen heterocyclic-ring acceptor. Energy and Environmental Science, 2022, 15, 384-394.	15.6	62
3	<sc>Self-Assembled</sc> monolayers for interface engineering in polymer solar cells. Journal of Polymer Science, 2022, 60, 2175-2190.	2.0	15
4	Origin of the Additive-Induced <i>V_{OC}</i> Change in Non-Fullerene Organic Solar Cells. Small, 2022, 18, e2107106.	5.2	15
5	Synergistic enhancement in open-circuit voltage and photovoltaic performance via linear naphthylidithiophene building block. Polymer, 2022, 246, 124639.	1.8	2
6	Balancing the Molecular Aggregation and Vertical Phase Separation in the Polymer: Nonfullerene Blend Films Enables 13.09% Efficiency of Organic Solar Cells with Inkjet-Printed Active Layer. Advanced Energy Materials, 2022, 12, .	10.2	17
7	Mechanical strain, thermal and pressure effects on the absorption edge of an organic charge-transfer polymer for flexible photovoltaics and sensors. Materials Advances, 2022, 3, 2697-2705.	2.6	5
8	Trifluoro alkyl side chains in the non-fullerene acceptors to optimize the phase miscibility and vertical distribution of organic solar cells. Journal of Materials Chemistry A, 2022, 10, 8837-8845.	5.2	12
9	Oligomer-Assisted Photoactive Layers Enable >18% Efficiency of Organic Solar Cells. Angewandte Chemie, 2022, 134, .	1.6	12
10	Oligomer-Assisted Photoactive Layers Enable >18% Efficiency of Organic Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	7.2	43
11	High-Efficiency ITO-Free Organic Photovoltaics with Superior Flexibility and Upscalability. Advanced Materials, 2022, 34, e2200044.	11.1	41
12	Process-Aid Solid Engineering Triggers Delicately Modulation of Y-Series Non-Fullerene Acceptor for Efficient Organic Solar Cells. Advanced Materials, 2022, 34, e2200907.	11.1	94
13	Light-Induced EPR Study of Polymorphic Acene-Stipulated Transition in P3DDT:PC ₆₁ BM Composite. Journal of Physical Chemistry C, 2022, 126, 4495-4507.	1.5	0
14	Molecular Programming of NIR-Emissive Semiconducting Small Molecules for In Vivo High-Contrast Bioimaging Beyond 1500nm. Advanced Materials, 2022, 34, e2201263.	11.1	44
15	Green-Solvent-Processed 17% Efficient Polymer Solar Cell Achieved Synergistically by Aligning Energy Levels and Improving Morphology with the Quaternary Strategy. Solar Rrl, 2022, 6, .	3.1	5
16	Domain size control in all-polymer solar cells. IScience, 2022, 25, 104090.	1.9	29
17	Ternary strategy: An analogue as third component reduces the energy loss and improves the efficiency of polymer solar cells. Journal of Energy Chemistry, 2022, 70, 67-73.	7.1	3
18	Recent Advances in Green-Solvent-Processable Organic Photovoltaics. Nanoenergy Advances, 2022, 2, 1-28.	3.6	8

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19	Synergistic Effect of Poly(aryl ether ketone) Matrices via Rational Ternary Copolymerization Enables Efficient and Stable Organic Solar Cells. <i>Chemistry of Materials</i> , 2022, 34, 430-439.	3.2	6
20	Large-Area Organic Solar Modules with Efficiency Over 14%. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	43
21	Guest-assisted assembly strategy: boosting solvent-processed organic solar cells toward commercialization. <i>Science China Chemistry</i> , 2022, 65, 645-646.	4.2	0
22	<i>In situ</i> and <i>ex situ</i> investigations on ternary strategy and co-solvent effects towards high-efficiency organic solar cells. <i>Energy and Environmental Science</i> , 2022, 15, 2479-2488.	15.6	84
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24	Environmentally Friendly AgBiS ₂ Nanocrystal Inks for Efficient Solar Cells Employing Green Solvent Processing. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	13
25	Organic-semiconductor-assisted dielectric screening effect for stable and efficient perovskite solar cells. <i>Science Bulletin</i> , 2022, 67, 1243-1252.	4.3	23
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28	Fluid Mechanics Inspired Sequential Blade-Coating for High-Performance Large-Area Organic Solar Modules. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	36
29	Recent advances in small molecular design for high performance non-fullerene organic solar cells. <i>Molecular Systems Design and Engineering</i> , 2022, 7, 832-855.	1.7	12
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36	Sequentially Fluorinated Polythiophene Donors for High-Performance Organic Solar Cells with 16.4% Efficiency. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	22

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38	Achieving over 18% Efficiency Organic Solar Cell Enabled by a ZnO-Based Hybrid Electron Transport Layer with an Operational Lifetime up to 5 Years. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	36
39	Regioisomeric Polymer Semiconductors Based on Cyano-Functionalized Dialkoxybithiophenes: Structure-Property Relationship and Photovoltaic Performance. <i>Transactions of Tianjin University</i> , 0, .	3.3	0
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50	High-performance scalable organic photovoltaics with high thickness tolerance from 1 Åcm ² to above 50 Åcm ² . <i>Joule</i> , 2022, 6, 2406-2422.	11.7	24
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58	Intrinsically Stretchable, Highly Efficient Organic Solar Cells Enabled by Polymer Donors Featuring Hydrogen-Bonding Spacers. <i>Advanced Materials</i> , 2022, 34, .	11.1	41
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99	Manipulating Polymer Backbone Configuration via Halogenated Asymmetric End-Groups Enables Over 18% Efficiency All-Polymer Solar Cells. <i>Advanced Materials</i> , 2023, 35, .	11.1	24
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