

Tuning charge transport in solution-sheared organic se

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Citation Report

#	ARTICLE	IF	CITATIONS
6	From computational discovery to experimental characterization of a high hole mobility organic crystal. <i>Nature Communications</i> , 2011, 2, 437.	5.8	321
7	CHESS X-ray Facility Report 2012. <i>Synchrotron Radiation News</i> , 2012, 25, 10-17.	0.2	2
8	Diketopyrrolopyrrole-Based π -Conjugated Copolymer Containing β^2 -Unsubstituted Quintetthiophene Unit: A Promising Material Exhibiting High Hole-Mobility for Organic Thin-Film Transistors. <i>Chemistry of Materials</i> , 2012, 24, 4350-4356.	3.2	85
9	Solution-Processable Ambipolar Diketopyrrolopyrrole- π -Selenophene Polymer with Unprecedentedly High Hole and Electron Mobilities. <i>Journal of the American Chemical Society</i> , 2012, 134, 20713-20721.	6.6	341
10	Organic Semiconductors toward Electronic Devices: High Mobility and Easy Processability. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1428-1436.	2.1	71
11	Phototransistors and Photoswitches From an Ultraclosely π -Stacked Organic Semiconductor. <i>IEEE Electron Device Letters</i> , 2012, 33, 1619-1621.	2.2	12
12	Simple push coating of polymer thin-film transistors. <i>Nature Communications</i> , 2012, 3, 1176.	5.8	111
13	Targeting ordered oligothiophene fibers with enhanced functional properties by interplay of self-assembly and wet lithography. <i>Journal of Materials Chemistry</i> , 2012, 22, 20852.	6.7	25
14	High Uniformity and High Thermal Stability of Solution-Processed Polycrystalline Thin Films by Utilizing Highly Ordered Smectic Liquid Crystals. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 11PD02.	0.8	4
15	Crystallinity-Controlled Naphthalene- <i>alt</i> -diketopyrrolopyrrole Copolymers for High-Performance Ambipolar Field Effect Transistors. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26204-26213.	1.5	32
16	Electron-Phonon Coupling in Crystalline Organic Semiconductors: Microscopic Evidence for Nonpolaronic Charge Carriers. <i>Physical Review Letters</i> , 2012, 109, 126407.	2.9	33
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19	Surface Viscoelasticity of an Organic Interlayer Affects the Crystalline Nanostructure of an Organic Semiconductor and Its Electrical Performance. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21673-21678.	1.5	7
20	Air-flow navigated crystal growth for TIPS pentacene-based organic thin-film transistors. <i>Organic Electronics</i> , 2012, 13, 1819-1826.	1.4	61
21	Quantitative Determination of Organic Semiconductor Microstructure from the Molecular to Device Scale. <i>Chemical Reviews</i> , 2012, 112, 5488-5519.	23.0	1,133
22	Direct Structural Mapping of Organic Field-Effect Transistors Reveals Bottlenecks to Carrier Transport. <i>Advanced Materials</i> , 2012, 24, 5553-5558.	11.1	70
23	High-Performance Organic Thin-Film Transistor Based on a Dipolar Organic Semiconductor. <i>Advanced Materials</i> , 2012, 24, 5750-5754.	11.1	41

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25	Hybrid CMOS thin-film devices based on solution-processed CdS n-TFTs and TIPS-Pentacene p-TFTs. <i>Organic Electronics</i> , 2012, 13, 3045-3049.	1.4	15
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29	Insights into the Charge Carrier Terahertz Mobility in Polyfluorenes from Large-Scale Atomistic Simulations and Time-Resolved Terahertz Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19665-19672.	1.5	26
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31	A stable solution-processed polymer semiconductor with record high-mobility for printed transistors. <i>Scientific Reports</i> , 2012, 2, 754.	1.6	800
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40	Morphology-Dependent Enhancement of the Pseudocapacitance of Template-Guided Tunable Polyaniline Nanostructures. <i>Journal of Physical Chemistry C</i> , 2013, 117, 15009-15019.	1.5	103
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79	In situ purification to eliminate the influence of impurities in solution-processed organic crystals for transistor arrays. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1352-1358.	2.7	37
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155	Roll-to-roll compatible organic thin film transistor manufacturing technique by printing, lamination, and laser ablation. <i>Thin Solid Films</i> , 2014, 571, 212-217.	0.8	19
156	Prediction and Theoretical Characterization of p-Type Organic Semiconductor Crystals for Field-Effect Transistor Applications. <i>Topics in Current Chemistry</i> , 2014, 345, 95-138.	4.0	30
157	Template-Guided Solution-Shearing Method for Enhanced Charge Carrier Mobility in Diketopyrrolopyrrole-Based Polymer Field-Effect Transistors. <i>Advanced Materials</i> , 2014, 26, 6031-6035.	11.1	63
158	A bis(2-oxindolin-3-ylidene)-benzodifuran-dione containing copolymer for high-mobility ambipolar transistors. <i>Chemical Communications</i> , 2014, 50, 3180.	2.2	72
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163	High performance transistors based on the controlled growth of triisopropylsilylethynyl-pentacene crystals via non-isotropic solvent evaporation. <i>RSC Advances</i> , 2014, 4, 20804-20813.	1.7	26
164	Enhancement of the p-channel performance of sulfur-bridged annulene through a donor-acceptor co-crystal approach. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8886-8891.	2.7	28
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