

Physicochemically Stable Polymer–Coupled Oxide Dielectric Electronic Applications

Advanced Functional Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	High-speed solution-processed organic single crystal transistors using a novel triisopropylsilylethynyl anthracene derivative. Applied Physics Letters, 2012, 101, .	1.5	14
2	Stability-improved organic n-channel thin-film transistors with nm-thin hydrophobic polymer-coated high-k dielectrics. Physical Chemistry Chemical Physics, 2012, 14, 14202.	1.3	20
3	Self-templating surface-initiated polymerization: a route to synthesize conductive brushes. Journal of Materials Chemistry, 2012, 22, 20179.	6.7	14
4	Complementary photo and temperature cured polymer dielectrics with high-quality dielectric properties for organic semiconductors. Journal of Materials Chemistry, 2012, 22, 19940.	6.7	15
5	Damage-free hybrid encapsulation of organic field-effect transistors to reduce environmental instability. Journal of Materials Chemistry, 2012, 22, 7731.	6.7	33
6	Performance and stability of flexible low-voltage organic thin-film transistors based on C ₁₀ -DNTT. , 2012, , .		2
7	Surface Viscoelasticity of an Organic Interlayer Affects the Crystalline Nanostructure of an Organic Semiconductor and Its Electrical Performance. Journal of Physical Chemistry C, 2012, 116, 21673-21678.	1.5	7
8	Flexible low-voltage organic thin-film transistors and circuits based on C ₁₀ -DNTT. Journal of Materials Chemistry, 2012, 22, 4273-4277.	6.7	99
9	Influence of polymer dielectric surface energy on thin-film transistor performance of solution-processed triethylsilylethynyl anthradithiophene (TES-ADT). Physica Status Solidi - Rapid Research Letters, 2012, 6, 71-73.	1.2	7
10	High-Performance n-Type Organic Semiconductors: Incorporating Specific Electron-Withdrawing Motifs to Achieve Tight Molecular Stacking and Optimized Energy Levels. Advanced Materials, 2012, 24, 911-915.	11.1	89
11	Influence of substitution on the optical properties of functionalized pentacene monomers and crystals: Experiment and theory. Chemical Physics Letters, 2013, 585, 95-100.	1.2	11
12	Highly stable fluorine-rich polymer treated dielectric surface for the preparation of solution-processed organic field-effect transistors. Journal of Materials Chemistry C, 2013, 1, 1272-1278.	2.7	36
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15	Optimization of Temperature-Mediated Organic Semiconducting Crystals on Soft Polymer-Treated Gate Dielectrics. Journal of Physical Chemistry C, 2013, 117, 25290-25297.	1.5	9
16	Using an in-vacuum CCD detector for simultaneous small- and wide-angle scattering at beamline X9. Journal of Synchrotron Radiation, 2013, 20, 211-218.	1.0	34
17	Flexible High-Performance All-Inkjet-Printed Inverters: Organo-Compatible and Stable Interface Engineering. Advanced Materials, 2013, 25, 4773-4777.	11.1	54
18	Chemically Tunable Ultrathin Silsesquiazane Interlayer for n-Type and p-Type Organic Transistors on Flexible Plastic. ACS Applied Materials & Interfaces, 2014, 6, 22807-22814.	4.0	10

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19	Grafting Fluorinated Polymer Nanolayer for Advancing the Electrical Stability of Organic Field-Effect Transistors. <i>Chemistry of Materials</i> , 2014, 26, 6467-6476.	3.2	34
20	Optimized Grafting Density of End-Functionalized Polymers to Polar Dielectric Surfaces for Solution-Processed Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20444-20451.	4.0	25
21	A high molecular weight triisopropylsilylethynyl (TIPS)-benzodithiophene and diketopyrrolopyrrole-based copolymer for high performance organic photovoltaic cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6348.	5.2	61
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32	Solution-Processed Organic Complementary Inverters Based on TIPS-Pentacene and PDI8-CN2. <i>IEEE Transactions on Electron Devices</i> , 2015, 62, 4220-4224.	1.6	10
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36	Dielectric surface-polarity tuning and enhanced operation stability of solution-processed organic field-effect transistors. <i>Organic Electronics</i> , 2015, 17, 87-93.	1.4	14

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39	Polymer-modified solution-processed metal oxide dielectrics on aluminum foil substrate for flexible organic transistors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 2509-2517.	0.8	4
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46	Use of a cross-linkable or monolayer-forming polymeric buffer layer on PCBM-based n-channel organic field-effect transistors. <i>Polymer Bulletin</i> , 2016, 73, 2493-2500.	1.7	6
47	Favorable Molecular Orientation Enhancement in Semiconducting Polymer Assisted by Conjugated Organic Small Molecules. <i>Advanced Functional Materials</i> , 2016, 26, 8527-8536.	7.8	18
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56	Boosting the Charge Transport Property of Indeno[1,2- <i>b</i>]fluorene-6,12-dione through Incorporation of Sulfur- or Nitrogen-Linked Side Chains. <i>Advanced Functional Materials</i> , 2017, 27, 1702318.	7.8	31
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