Recent Advances in the Development of Semiconductin Transistor Applications

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Citation Report

#	Article	IF	Citations
1	Ambipolar Polymer Field-Effect Transistors Based on Fluorinated Isoindigo: High Performance and Improved Ambient Stability. Journal of the American Chemical Society, 2012, 134, 20025-20028.	6.6	316
2	Alkyl Chain Extension as a Route to Novel Thieno[3,2-b]thiophene Flanked Diketopyrrolopyrrole Polymers for Use in Organic Solar Cells and Field Effect Transistors. Macromolecules, 2013, 46, 5961-5967.	2.2	67
3	High mobility isoindigo-based Ï€-extended conjugated polymers bearing di(thienyl)ethylene in thin-film transistors. Polymer Chemistry, 2013, 4, 5688.	1.9	55
4	Relation between Structure and Electronic Properties of Amorphous MEH-PPV Polymers. Journal of the American Chemical Society, 2013, 135, 11247-11256.	6.6	65
5	Observation of a Distinct Surface Molecular Orientation in Films of a High Mobility Conjugated Polymer. Journal of the American Chemical Society, 2013, 135, 1092-1101.	6.6	150
6	Diketopyrrolopyrroleï£¿Thiopheneâ€Based Acceptorâ€“Donorâ€“Acceptor Conjugated Materials for Highâ€Performance Fieldâ€Effect Transistors. Chemistry - an Asian Journal, 2013, 8, 2813-2821.	1.7	34
7	Strong two-photon absorption enhancement in a unique bis-porphyrin bearing a diketopyrrolopyrrole unit. Chemical Communications, 2013, 49, 8368.	2.2	61
8	Photocurrent Enhancement from Diketopyrrolopyrrole Polymer Solar Cells through Alkyl-Chain Branching Point Manipulation. Journal of the American Chemical Society, 2013, 135, 11537-11540.	6.6	258
9	25th Anniversary Article: Recent Advances in nâ€Type and Ambipolar Organic Fieldâ€Effect Transistors. Advanced Materials, 2013, 25, 5372-5391.	11.1	608
10	Blue-Coloured Highly Efficient Dye-Sensitized Solar Cells by Implementing the Diketopyrrolopyrrole Chromophore. Scientific Reports, 2013, 3, 2446.	1.6	143
11	Dramatically enhanced molecular ordering and charge transport of a DPP-based polymer assisted by oligomers through antiplasticization. Journal of Materials Chemistry C, 2013, 1, 4423.	2.7	31
12	A benzothiadiazole end capped donorâ€“acceptor based small molecule for organic electronics. Physical Chemistry Chemical Physics, 2013, 15, 17064.	1.3	34
13	Synthesis of pyridine-capped diketopyrrolopyrrole and its use as a building block of low band-gap polymers for efficient polymer solar cells. Chemical Communications, 2013, 49, 8495.	2.2	67
14	Microstructural Control over Soluble Pentacene Deposited by Capillary Pen Printing for Organic Electronics. ACS Applied Materials & Interfaces, 2013, 5, 7838-7844.	4.0	17
15	New Fused Bis-Thienobenzothienothiophene Copolymers and Their Use in Organic Solar Cells and Transistors. Macromolecules, 2013, 46, 727-735.	2.2	43
16	Role of the Comonomeric Units in Reaching Linear Backbone, High Solid-State Order and Charge Mobilities in Heptacyclic Arene-Based Alternating Copolymers. Macromolecules, 2013, 46, 7687-7695.	2.2	38
17	Nanoscale phase domain structure and associated device performance of organic solar cells based on a diketopyrrolopyrrole polymer. RSC Advances, 2013, 3, 20113.	1.7	15
18	Modulation of carrier mobility of diketopyrrolopyrrole and quaterthiophene containing copolymer with self-assembled monolayers on gate dielectrics of thin film transistors. Synthetic Metals, 2013, 184, 61-67.	2.1	4

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19	Imide/amide based Ï€-conjugated polymers for organic electronics. Progress in Polymer Science, 2013, 38, 1815-1831.	11.8	68
20	A cyano-terminated dithienyldiketopyrrolopyrrole dimer as a solution processable ambipolar semiconductor under ambient conditions. Chemical Communications, 2013, 49, 11272.	2.2	37
21	Nearâ€Infrared Photovoltaic Performance of Conjugated Polymers Containing Thienoisoindigo Acceptor Units. Macromolecular Chemistry and Physics, 2013, 214, 2388-2397.	1.1	22
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31	A fluorenone based low band gap solution processable copolymer for air stable and high mobility organic field effect transistors. Chemical Communications, 2013, 49, 1588-1590.	2.2	41
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39	Naphthalenediimide-Benzothiadiazole Copolymer Semiconductors: Rational Molecular Design for Air-Stable Ambipolar Charge Transport. Chemistry of Materials, 2013, 25, 2178-2183.	3.2	42
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